

## CLAIMS

1. A method of configuring a product, where the product is to be assembled from a plurality of components, each component being available in at least one variant, the method comprising the steps of
- presenting to a user, via a user interface, a first plurality of variants of a first one of said plurality of components;
- receiving from the user an indication of a first variant selected from the first plurality of variants;
- presenting to the user via the user interface a graphical representation of the first variant;
- characterised in that the method further comprises the steps of
- presenting to the user, via the user interface, a second plurality of variants of a second one of said plurality of components;
- receiving from the user an indication of a second variant selected from the second plurality of variants;
- presenting to the user, via the user interface, a graphical representation of the first selected variant of the first component in a predetermined relationship to the second selected variant of the second component.
2. The method according to claim 1, characterised in that the method further comprises the step of graphically animating the positioning of the second variant of the

second component in the predetermined relationship to the first variant of the first component.

- Sub A2*
3. The method according to any one of the claims 1 and 2, characterised in that the method further comprises the step of interactively animating the positioning of the second variant of the second component in the predetermined relationship to the first variant of the first component, where the interactively animated positioning is controlled by user commands.
4. The method according to any one of the claims 1 through 3, characterised in that the graphical representation of the first variant of the first component in the predetermined relationship to the second variant of the second component is a three-dimensional rendering of the first variant of the first component in the predetermined relationship to the second variant of the second component.
5. The method according to any one of the claims 1 through 4, characterised in that the method further comprises the step of changing the displayed representation of the first variant of the first component in the predetermined relationship to the second variant of the second component in response to user commands, where the changing of the displayed representation corresponds to operations selected from the class of operations comprising rotate, flip, pan, and zoom.
6. The method according to any one of the claims 1 through 5, characterised in that the method further comprises the step of animating the displayed representation

of the first variant of the first component in the predetermined relationship to the second variant of the second component in response to user commands.

5 7. The method according to any one of the claims 1 through 6, characterised in that the step of presenting to a user via a user interface a selected one of the first and second plurality of variants of the corresponding first or second component further comprises the step of limiting the presented plurality of variants to a subset of the corresponding first or second plurality of variants indicated as being available by a set of inventory data received from an inventory management system.

15 8. The method according to any one of the claims 1 through 7, characterised in that the method further comprises the step of transmitting ordering information to a production management system, the order information including configuration data identifying the first variant of the first component and the second variant of the second component.

20 9. A system for customising a product, where the product is assembled from a plurality of components, the system comprising

25 first display means adapted to present a first plurality of variants of a first one of said plurality of components;

first input means adapted to receive an indication of a first variant selected from the first plurality of variants;

second display means adapted to present a graphical representation of the first selected variant;

characterised in that the system further comprises

third display means adapted to present a second plurality  
5 of variants of a second one of said plurality of components;

second input means adapted to receive an indication of a second variant selected from the second plurality of variants;

10 the second display means is adapted to present a graphical representation of the first selected variant of the first component in a predetermined relationship to the second selected variant of the second component.

10. The system according to claim 9, characterised in  
15 that the system further comprises first processing means adapted to generate a graphical animation of the positioning of the second variant of the second component in the predetermined relationship to the first variant of the first component.

20 11. The system according to claim 10, characterised in that the system further comprises third input means adapted to receive user commands for controlling the graphical animation.

*Sub A3* → 25 12. The system according to any one of the claims 9 through 11, characterised in that the graphical representation of the first variant of the first component in the predetermined relationship to the second variant of the second component is a three-dimensional rendering of the

first variant of the first component in the predetermined relationship to the second variant of the second component.

13. The system according to any one of the claims 9  
5 through 12, characterised in that the system comprises fourth input means adapted to receive user commands corresponding to operations selected from the class of operations comprising rotate, flip, pan, and zoom; and the second display means is adapted to change the displayed  
10 representation of the first variant of the first component in the predetermined relationship to the second variant of the second component in response to the received user commands.

14. The system according to any one of the claims 9  
15 through 13, characterised in that the system further comprises second processing means adapted to generate an animation of the displayed representation of the first variant of the first component in the predetermined relationship to the second variant of the second component in  
20 response to user commands.

15. The system according to any one of the claims 9  
through 14, characterised in that a selected one of the first and second display means is adapted to limit the presented corresponding first or second plurality of  
25 variants to a subset of the corresponding first or second plurality of variants indicated as being available by a set of inventory data received from an inventory management system.

16. The system according to any one of the claims 9  
through 15, characterised in that the system further com-  
prises transmitting means adapted to transmit order in-  
formation to a production management system, the order  
5 information including configuration data identifying the  
first variant of the first component and the second vari-  
ant of the second component.

17. Use of a method according to any one of the claims 1  
through 8 in a build-to-order assembly system, where a  
10 product is assembled from pre-fabricated components.

18. Use of a method according to any one of the claims 1  
through 8 for customising a medical application device.

19. A computer program comprising program code means for  
performing all the steps of any one of the claims 1  
15 through 8 when said program is run on a computer.

20. A computer program product comprising program code  
means stored on a computer readable medium for performing  
a method of any one of the claims 1 through 8 when said  
20 computer program product is run on a computer.

21. A computer data signal embodied in a carrier wave,  
comprising program code means for performing all the  
steps of any one of the claims 1 through 8 when said pro-  
gram is run on a computer.

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